PDP

Analytical Services
1680 Lake Front Circle, Suite B
The Woodlands, TX 77380
Phone (281) 363-2233 Fax (281) 298-5784

Ecology & Environment, Inc.

Accounts Payable

199 Brian Street

Dallas TX 75201

INVOICE

933025. INVOICE #

DATE

09/24/98

Ship To

Ship To Ecology & Environment, Inc Mr. David Anderson

199 Brian Street

Dallas TX 75201

PO NUMBER*	TERMS	Project ID		Code	
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PDP .

Analytical Services
1680 Lake Front Circle, Suite B
The Woodlands, TX 77380
Phone (281) 363-2233 Fax (281) 298-5784

INVOICE

933024 DATE 933024

Bill To
Ecology & Environment, Inc
Accounts Payable
199 Brian Street
Dallas TX 75201

Ship To
Ecology & Environment, Inc. 4.
Mr. David Anderson 199 Brian Street
Dallas TX 75201

- Quantity	30 days	6S180	4798	Unit Price	PDP AMOUNT
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ecology and environment, inc.

1999 Bryan St., Suite 2000 Dallas, TX 75201 (214) 220-0318

International Specialists in the Environment

FAX: (214) 855-1422

Date: August 10, 1998 Time:

Job Charge: 608KJ060300006052601SFXX | Total pages: 1

(including transmission form)

To: Mark Bourgeois

Company: PDP Analytical

Fax phone: 281-298-5784

From: David Anderson

IF THIS FAX IS INCOMPLETELY RECEIVED OR IS ILLEGIBLE, PLEASE CALL FOR RETRANSMISSION.

RE: Case 6S180, PDP episode 4802. Sample SB40-GW06, PDP # 4802-014

The matrix on this sample should be water, not soil.

David

ecology and environment, inc.

1999 Bryan St., Suite 2000 Dallas, TX 75201 (214) 220-0318

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The matrix on this sample should be water, not soil.

David

OFFICIAL CHAIN OF CUSTODY RECORD

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OFFICIAL CHAIN OF CUSTODY RECORD

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OFFICIAL CHAIN OF CUSTODY RECORD

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EPA 7500-53

Green to Report; Yellow Returns with Warrant



PDP

1680 Lake Front Circle, Suite 8 The Woodlands, Texas 77380

Sample Receipt and Login Verification

* Please fax immediately *

To:	ich frade	5-71	Date & Time_	8/10/48
Company: E	8 E		# Pages:	5
Fax #: 214	- 855-14-	2 7	Episode:_	4802
Dear Valued Client	•			
We have take assigned the correct final determination, chains of custody the correct and that you sheet, then please sinot received authorisample login sheet, may arise without a please advise us by	Please review the at you have submitted authorize the work and fax the zation within 24 ho However, PDP will uthorization. If you	ons and analysis following PDP seed to us. If you to be performed to the form back to the analysis, then the analysis find discrepance	i. However, only sample login sheet agree that the interest on the us within 24 hour alyses will be initiponsible for any ties or wish to ma	you can make the st against the formation is sample logins. If PDP has lated as per the problems that ake changes,
With your condinate was problems. We appropriate was problems.		, •	- 1:	•
I authorize the wo	k to be performed	as on the PDP	sample login sh	eet.
Signature	•		-	
Title				
Date and Time			-	
If this Fax n	essage is received	poorly or incom	plete, please noti	fy us at:
· Pf	none: (281) 363-2	233 Fax: (28	31) 298-5784	•

PDP Analytical Services 1680 Lake Front Circle, Suite B, The Woodlands TX 77380 Sample Log-In Report

Lagged By: AFG	Report Date:	8/10/98 8:55:33
Client Name: ECOLOGY & ENVIRONMENT, I	IC. Lab Project ID:	Q1056-E&E
Client Project Name: E&E- WILCOX REFINERY	Date Logged:	08/10/98
ClientProject #:	Date Received:	08/07/98
P.O. No.:	Time Received:	9:45
Courier/No.:		

ab	!	No.	Sample	Date	Time	Chain Of	Date .	
ample ID	Client Sample ID	Cont.	Matrix	Sampled	Sampled	Custody No.	Due	Remarks
02.001	SB27-0030	3	SOIL	08/05/98	08:30	5- 09263		· ·
	Tests Required		ì					
	- BTEX8021B						08/21/98	
	- MET_TOTAL_TAL_EE		ļ				08/21/98	
	- PAH8310		i !			1	08/21/98	
	- PH_9045C		ļ				08/21/98	
	- TPH1005					İ	08/21/98	
02,002	SB28-0020	3	SOIL	08/05/98	09:45	6- 09263		
	Tests Required	*						
	- BTEX8021B				,		08/21/98	
	- MET_TOTAL_TAL_EE						08/21/98	
	- PAH8310		į			1	08/21/98	
	- PH_9045C		į				08/21/98	
	- TPH1005						08/21/98	
302.003	SB29-0010	3	SOLL	09/05/98	10:20	6- 09263		
	Tests Required		(
	- BTEX80216						08/21/98	
	- MET_TOTAL_TAL_EE						08/21/98	
	- PAH8310		į			ĺ	08/21/98	
•	- PH_9045C						08/21/98	
	- TPH1005		Ì				08/21/98	
102.004	SB30-0030	3	sott	08/05/98	11:00	6- 09263	•	
	Tests Required		ļ					
	- BTEX8021B					[08/21/98	
	- MET_TOTAL_TAL_EE		ļ			i. 	08/21/98	
	- PAH8310		ļ		•		08/21/98	
è	- PH_9045C		į				08/21/98	
	- TPH1005		-			·	08/21/98	
302.005	swol	′4	WATER	08/05/98	10:45	6- 09263		
	Tests Required							
	- BTEX8021B		İ				08/21/96	
	- TPH1005						08/21/98	
302.006	SB31-0030	3	SOLL	08/05/98	11:45	6- 09263		
	Tests Required							
	- BTEX8021B		}		į	·	08/21/98	
	- MET_TOTAL_TAL_EE		į		ļ	i I	08/21/98	
	- PAH8310		į.				08/21/98	
•	o alles				į			
	548 10 91		- }				Client Approval	

Page 1 of 5

PDP Analytical Services 1680 Lake Front Circle, Suite B, The Woodlands TX 77380 Sample Log-In Report

Logged By: AFG	ţ		Report Date:	8/10/98 8:55:35
Client Name:	ECOLOGY	& ENVIRONMENT, INC.	Lab Project ID:	Q1056-E&E
Client Project Name:	E&E- WIL	COX REFINERY	Date Logged:	08/10/98
ClientProject #:			Date Received:	08/07/98
P.O. No.:	•		Time Received:	9:45
Courier/No.:				

Lab Sample 1D	Client Sample ID		No. Cont.	Sample Matrix	Date Sampled	Time Sampled	Chain Of Custody No.	Date Due	Remarks
	- PH_9045C		<u></u> ·	===			<u> </u>	08/21/98	====
	- TPH1005			į			1	08/21/98	
1802.007	SW02		14	WATER	08/05/98	14:15	5- 09263	00/21/98	*
	Tests Required		•		,				
	- BTEX8021B			•				08/21/98	
	- TPH1005			;				08/21/98	
1802.008	SW02D		4	Water	08/05/98	14:25	6- 09263	33, 42, 22	
	Tests Required								
	- BTEX8021B	-		į				08/21/98	
•	- TPH1005							08/21/98	
1802.009	SB32-0010		3	SOLL	08/05/98	14:40	6- 09263		
	Tests Required			į					
	- BTEX80218			Ì	•			08/21/98	
	- MET_TOTAL_	TAL EE						08/21/98	
	- PAH8310	_						08/21/98	
	- PH_9045C							08/21/98	
	- TPH1005							08/21/98	
1802.010	SB32-0010D		3	soļt	08/05/98	14:40	6- 09263		
	Tests Required								
	- BTEX8021B			;			İ	08/21/98	
	- MET_TOTAL_	TAL_EE		į			1	08/21/98	
	- PAH8310							08/21/98	
	- PH_9045C			} !				08/21/98	•
	- TPH1005			į				08/21/98	
802.011	SB33-0010		3	ROIL	08/05/98	15:15	6- 09263		
	Tests Required			}		1			
	- BTEX8021B							08/21/98	
	- MET_TOTAL_	TAL_EE						08/21/98	
	- PAH8310			ł				08/21/98	
	- PH_9045d			į				08/21/98	
	- TPH1005			į				08/21/98	
1802.012	SB34-0010		3	SOIL	08/05/98	. 15:40	6- 09263		
	Tests Required								
	- BTEX8021B							08/21/98	
	- MET_TOTAL_	TAL_EE		1				08/21/98	
	- PAH8310			į				08/21/98	
	- PH_90450	, ,		į			•	08/21/98	
	50 P	112/41				_			
	Lab Approval	<u> </u>			•	_		Client Approval	

Page 2 of 5

Lah Approval

Client Approval

PDP Analytical Services 1680 Lake Front Circle, Suite B, The Woodlands TX 77380 Sample Log-In Report

Logged By: AFG	Report Date: 8/10/98 8:55:36
Client Name: ECOLOGY & ENVIRONMENT, INC.	Lab Project ID: Q1056-26E
Client Project Name: E&E- WILLCOX REFINERY	Date Logged: 08/10/98
ClientProject #:	Date Received: 08/07/98
P.O. Ng.:	Time Received: 9:45
Courier/No.:	

						1		
Lab		No.	Sample	Date	Ilme '	Chain Of	Date	
Sample ID	Client Sample ID	Cont.	Matrix	Sampled	Sampled	Custody No.	Due	Remarks
	- TPH1005	<u> </u>	- :			====	08/21/98	
1802.013	SB40-3040	. 3	son	08/05/98	09:11	6- 09264		
	Tests Required							
	- BTEX8021B						08/21/98	
	- MET_TOTAL_TAL_EE				•		08/21/98	
	- PAH8310	,					08/21/98	
	- PH_9045C		i				08/21/98	
	- TPH1005						08/21/98	
1802.014	SB40-6W06	4	SOAT	08/05/98	08:55	6- 09264		
	Tests Required		Water	-		,		
	- BTEX8021B		i				08/21/98	
	- TPH1005		į				08/21/98	,
4802.015	SB39-3040	3	soir	08/05/98	11:35	6- 09264		
	Tests Required							
	- BTEX8021B		i				08/21/98	
•	- MET_TOTAL_TAL_EE						08/21/98	
	- PAH8310						08/21/98	
	- PH_9045C		i				08/21/98	
	- TPH1005						08/21/98	
4802.016	5843-6070	3	soir	08/05/98	14:49	6- 09264		
	Tests Required		:					
	- BTEX80215		} -				08/21/98	
	- MET_TOTAL_TAL_EE		i				08/21/98	
	- PAH8310		ļ		,		08/21/98	
	- PH_9045C		Ì				08/21/98	
	- TPH1005						08/21/98	
4802.017	SB44-4050	3	soir	08/05/98	16:25	6- 09264		
	Tests Required		}	,				
	- BTEX8021B						08/21/98	
	- MET_TOTAL_TAL_EE		j				08/21/98	
	- PAH8310		}	•			08/21/98	
	- PH_9045C		į		ļ		08/21/98	
	- TPH1005		i ;	•	ļ	•	08/21/98	
4802.018	SB45-0010	3	SOIL	08/05/98	16:50	6- 09264		
	Tests Required		† i		į			
	- BTEX8021B		ļ				08/21/98	
	- MET_TOTAL_TAL_EE			•	1		08/21/98	
	de Fliolsy		1		1			

Page 3 of 5

PDP Analytical Services 1680 Lake Front Circle, Suite B, The Woodlands TX 77380 Sample Log-In Report

	·
Logged By: AFG	Report Date: 8/10/98 8:55:36
Client Name: ECOLOGY & ENVIRONMENT, INC.	Lab Project ID: Q1056-E&E
Client Project Name: E&E- WILCOX REFINERY	Date Logged: 08/10/98
ClientProject #:	Date Received: 08/07/98
P.O. No.:	Time Received: 9:45
Coupley/No.	

lah		No.	Sample		Time	Chain Of	Date	
Sample ID	- Client Sample ID	Cont.	Mairtx	Sampled	Sampled	Custody No.	Due	Remarks
	- PAH8310		1				08/21/98	
	- PH_9045C		ļ				08/21/98	
	- TPH1005					İ	08/21/98	
802.019	\$835-0030	3	sort	08/06/98	08:15	6- 09279		
	Tests Required		!					
•	- BTEX8021E		į				08/21/98	
	- MET_TOTAL_TAL_EE		į				08/21/98	
	- PAH8310		į	•			08/21/98	•
4	- PH_9045C		i				08/21/98	
	- TPH1005		ļ			1	08/21/98	
802.020	\$841-2030	3	SOIL	08/06/98	08:40	6- 09279		
	Tests Required					ł		
	- BTEX8021\$		1			-	08/21/98	
	- MET_TOTAL_TAL_EE		i				08/21/98	
	- PAH8310		i				08/21/98	
	- PH_9045C		İ				08/21/98	
	- TPH1005		į			}	08/21/98	
802.021	SB41-2030D	3	soit	08/06/98	08:42	6- 09279		
	Tests Required							•
	- BTEX8021B		1				08/21/98	•
	- MET_TOTAL_TAL_EE						08/21/98	
	- PAH8310						08/21/98	
	- Рн_9045С						.08/21/98	
	- TPH1005		į				08/21/98	
802.022	\$B42-GW07	/ 4	WATER	08/06/98	09:39	6- 09279		
	Tests Required						•	
	- BTEX8021B		i i		(08/21/98	
	- TPH1005		j				08/21/98	
802.023	SB42-2030	3	SOIL	08/06/98	09:45	6- 09279		
	Tests Required		į					
	- BTEX8021B		į		ì		08/21/98	
	- MET_TOTAL_TAL_EE				.]		08/21/98	
	- PAH8310		į	•	ļ		08/21/98	
	- PH_9045Q	•	į		ļ		08/21/98	
	- TPH1005		!				08/21/98	
1802.024	SW04	4	WATER	08/06/98	10:24	6- 09279		
	Tests Required							
•					}			
	CV \$ 1090					·	· · · · · · · · · · · · · · · · · · ·	
	Lab Approval						Client Approval	

Page 4 of 5

PDP Analytical Services 1680 Lake Front Circle, Suite B, The Woodlands TX 77380 Sample Log-in Report

				Sam	ole Log-in F	Report	, ·		
Logged By	; AFG					•	Report Date:	8/10/98 8:5	i5:38
Clie	nt Name: ECOLOGY	& ENVIRO	MENT,	INC.			Lab Project ID:	01056-E&E	
	ct Name: E&E- WII	1					Date Logged:	08/10/98	
	roject #;	1					Date Received:	08/07/98	
•	P.O. No.:	j		j			Time Received:	9:45	•
Cou	rier/No.;	Ì							
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ab ample ID	Client Sample ID		No. Cont.	Sample Matrix	Date Sampled	Time Sampled	Chain Of Custody No.	Date Due	Remarks
	- BTEX8021E							08/21/98	
	- TPH1005		,	;				08/21/98	•
802.025	\$B37~GW08		/ 1	WATER	08/06/98	11:45	6- 09279		
	Tests Required			ļ					,
	- BTEX8021E			j				08/21/98	
802.026	SB46-0612		3 '	soļī	08/06/98	14:30	6- 09279		
	Tests Required						·		
	- BTEX8021E	•		į				08/21/98	
	- MET_TOTAL	_TAL_EE						08/21/98	•
	- PAH8310			}				08/21/98	
	- PH_9045C	,						08/21/98	
	- TPH1005			Ì				08/21/98	
302.027	5B46-0612D		3	SOIL	08/06/98	14:35	6- 09279		,
	Tests Required								
	- BTEX8021B	,		į	•		j	08/21/98	•
	- MET_TOTAL	TAL EE		i				08/21/98	
	- PAH8310	-		į			_	08/21/98	
	- PH_9045C			ì				08/21/98	
	- TPH1005			:				08/21/98	
902.028	TB-0806	•	7.1	WATER	08/06/98	16:00	6- 09279		
	Tests Required								
	- BTEX8021B							08/21/98	
	- BIEXOUZIB							04/21/30	
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structions	To lah:			- -					
CLP LIKE D	NATA PACKAGE 14 DAYS Y: 21 DAYS							•	
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MS/MSD F	REQUIRED ON E&E	SAMPLES.		! : !					
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PD



Analytical Services

1680 Lake Front Circle, Suite 8 The Woodlands, Texas 77380

Sample Receipt and Login Verification

* Please fax immediately *

			!
To:	id Anders	Da Da	te & Time & - 7 - 9
Company: E	ÉE		# Pages:
Fax #: 21	4-855-14	22	Episode: 47 98
Dear Valued Client;			
assigned the correct final determination. chains of custody the correct and that you sheet, then please sinot received authorisample login sheet, may arise without a please advise us by With your contract.	sample identification Please review the last you have submit authorize the working below and fax the zation within 24 however, PDP will athorization. If you telephone within 24 poperation, we will ath Sachin Kudchad	ons and analysis. How following PDP sampled to us. If you agre to be performed as se in form back to us with urs, then the analyses I not be held responsi- find discrepancies of hours so that we man	you have submitted to us are wever, only you can make the e login sheet against the e that the information is tated on the sample login thin 24 hours. If PDP has will be initiated as per the ble for any problems that wish to make changes, y incorporate the changes. In testing more efficiently, it with any changes or
I authorize the wo	k to be performed	as on the PDP sam	ple login sheet
Signature			
Title			
Date and Time			
If this Fax m	essage is received p	poorly or incomplete,	please notify us at:

Phone: (281) 363-2233 Fax: (281) 298-5784

PDP Analytical Services 1680 Lake Front Circle, Suite B, The Woodlands TX 77380 Sample Log-In Report

Logged By: AFG	Report Date: 8/6/98 17:40:08
Client Name: ECOLOGY & ENVIRONMENT, INC.	Lab Project ID: Q1056-E&E
Client Project Name: E&E- WILCOX REFINERY	Date Logged: 08/06/98
ClientProject #:	Date Received: 08/05/98
P.O. No.:	Time Received: 10:30

افتا	urier/No.:						····	
Lab		No.	Sample	 Date	Time	Chain Of	Date	
Sample ID	Client Sample ID	Cont.	Matrix	Sampled	Sampled	Custody No.	Due	Remarks
4798.001	SB20-0030	3	SCIL	08/04/98	09:10	6-09262		• •
	Tests Required		•					
	- BTEX8021B			•			08/19/98	
	- MET_TOTAL_TAL_EE				!		08/19/98	
	- РАН8310		1				08/19/98	
	- PH_9045¢		1				08/19/98	
	- ТРИ1005		•				08/19/98	
4798.002	SB21-0030	3	sour	08/04/98	10:10	6-09262		
	Tests Required							•
	- BTEX8021B		}				08/19/98	
	- MET_TOTAL_TAL_EE		}				08/19/98	
	- PAH8310						08/19/98	
•	~ PH_9045d						08/19/98	
	- TPH1005		Ì				08/19/98	
1798.003	SB22-0030	3	SOIL	08/04/98	10:40	6-09262		
	Tests Required							
	- BTEX8021B						08/19/98	
	- MET_TOTAL_TAL_EE						08/19/98	
	- PAH8310						08/19/98	•
	- PH_9045C		i				08/19/98	
	- TPH1005						08/19/98	
1798.004	SB23-0030	3	SOIL	08/04/98	11:45	6-09262		
	Tests Required							
	- BTEX8021B					•	08/19/98	
	- MET_TOTAL_TAL_EE		}				08/19/98	
	- PAHB310		} ·				08/19/98	
	- PH_90450						08/19/98	
	- TPH1005		İ				08/19/98	
1798.005	SB24-0020	3	SCIL	08/04/98	14:30	6-09262		
•	Tests Required			-				
	- BTEX8021B		Š		·		08/19/98	
	- MET_TOTAL_TAL_EE						08/19/98	
	- PAH8310		- [08/19/98	
	- PH_9045¢						08/19/98	
	- TPH1005		į				08/19/98	
1798.006	SB25-0030	3	scar	08/04/98	15:05	6-09262		
	Tests Required		}			·		
	• ,							
	548/6/21	,	!					
	Lab Approval					•	lient Approval	

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PDP Analytical Services 1680 Lake Front Circle, Suite B, The Woodlands TX 77380 \$ample Log-In Report

Logged By: AFG	Report Date: 8/6/98 17:40:11
Client Name: ECOLOGY & ENVIRONMENT, INC.	Lab Project ID: Q1056-E&E
Client Project Name: ESE- WILCOX REFINERY	Date Logged: 08/06/98
ClientProject #:	Date Received: 08/05/98
P.O. No.:	Time Received: 10:30
Caurier/No.:	

Lab		No.	Sample	Date	Time	Chain Of	Date	
Sample ID	Client Sample ID	Cont.	Matrix	Sampled	Sampled	Custody No.	Due	Remarks
	- BTEX8021B						08/19/98	
	- MET_TOTAL_TAL_EE		ļ				08/19/98	
	- PAH8310		<u> </u>				08/19/98	
	- PH_9045C		Ì	,			08/19/98	
	- TPH1005					~	08/19/98	
798.007	SB26-0020	3	SCIL	08/04/98	16:00	6-09262		
	Tests Required			•				
	- STEX8021B		i i				08/19/98	
•	- MET_TOTAL_TAL_EE						08/19/98	
	- PAH8310						08/19/98	
	- PH_9045C		}				08/19/98	
	- TPH1005						08/19/98	
798.008	SB36-6070	3	sqil	08/04/98	09:40	6-09262		
	Tests Required				j			
	- BTEX8021B		:				08/19/98	
	- MET_TOTAL_TAL_EE		ì	•			08/19/98	
	- PAH8310				,		08/19/98	
	- PH_9045C						08/19/98	
	- TPH1005		Ì				08/19/98	
798.009	SB37-6070	3	sqiil	08/04/98	15:01	6-09262		
	Tests Required		ĺ					
	- BTEX8021B		i				08/19/98	
	- MET_TOTAL_TAL_EE						08/19/98	-
	- PAH8310		}				08/19/98	
	- PH_9045C						08/19/98	
	- TPH1005		}	,			08/19/98	
798.010	SB38-0010	3	sqir	08/04/98	15:40	6-09262		
	Tests Required	•						
	- BTEX8021B		-				08/19/98	
	- MET_TOTAL_TAL_EE						08/19/98	
	- ран8310						08/19/98	
	- PH_9045C		•				08/19/98	
	- TPH1005		}				08/1 9/9 8	
798.011	SW03	٥	WATER	08/04/98	14:25	6-09262		
	Tests Required							
	- BTEX8021B		ļ				08/19/98	
	- TPH1005		i				08/19/98	
	Su 816198		j 1					
	Chalol							
	Lab Approval					'	Client Approvai	

Page 2 of 3

AUG-07-1998 12:16

PDP Analytical Services 1680 Lake Front Circle, Suite B, The Woodlands TX 77380 Sample Log-in Report

		Samp	ole Log-in F	Report			
Logged By: AFG					Report Date:	8/6/98 17:4	0:12
Client Name: ECOLOG Client Project Name: E&E- W ClientProject #: P.O. No.: Courier/No.:		ING.			Lab Project ID: Date Logged: Date Received: Time Received:	08/06/98 08/05/98	
Lab . Sample ID Client Sample ID	No. Cont	Sample Matrix		Time Sampled	Chain Of Custody No.	Date Due	Remarks
4798.012 TB0804 Tests Required - BTEX8021 - TPH1005	В.	WATER	08/04/98	16:55	6-09262	08/19/98 08/19/98	
Instructions To Lab: CLP LIKE DATA PACKAGE FAX DUE: 14 DAYS HARD COPY: 21 DAYS USE E&E SOW							
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Sr 8 6 6							
Lab Appro	vål	F	Page 3 of	3	Clie	nt Approval	

MEMORANDUM

PAGE 1

TO:	Al Tinker, Region 6 START Subcontracts Manger
THRU:	David Anderson (Procurement Chemist)
FROM:	Tom Beer (Project Manager)
DATE:	7/17/98
START REGION/OFFICE:	06/Dallas
STATEMENT OF NEED:	Please state reasons for requesting a purchase order below:
	at the START obtain analytical services for samples to be
PAN 052601SFG1, TDD 06-9	ery site located in Bristow, Oklahoma.
TAIN 0320015FG1, 1DD 00-9	8-03-0009
Recommended Vendor and R	<u>eason:</u>
PDP Analytical is the recomm	ended vendor. The recommended vendor has provided the
lowest cost and is technically	capable of conducting the required analysis in the required
time.	

Attachment:

TDD. PR, Bid Analysis, Written Bid, Reps and Certs (if applicable)

ecology and environment, inc. PURCHASE REQUISITION

Address:	P Analytical Services 1680 Lake Front Circle, Suite B The Woodlands, Texas 77380	Date: 7/16/98 PR No.: 501-9256 Ship Via: Date Required: 8/3/98 LIN: PO No.: Contract No.: 68-W6-0013 Account:			
Contact:	Mark Bourgeois Phone: 281-363-2233		w6-0013 AN: <u>6S180 / 05260</u>		
	Same As Billing	Billing Address:	Ecology and Envir	onment, Inc.	
Attention:	David Anderson	Attention:	Dallas, Texas 752	01	
Item	Description		Quantity	Unit Price	Amount
1	BTEX by Mod.8021B (46 soil samples + 3 M	/IS/MSD pairs)	46 analysis	40.00	1840.00
2	PAH by 8310 (46 soil samples + 3 MS/MSE	pairs)	46 analysis	110.00	5060.00
3	TAL Metals by 6010B (46 soil samples + 3)	MS/MSD pairs)	46 analysis	90.00	4140.00
4	TPH by TNRCC 1005 (46 soil samples + 3 I	MS/MSD pairs)	46 analysis	40.00	1840.00
5	pH by 9045C (46 soil samples + 3 Duplicate	46 analysis	5.00	230.00	
6	BTEX by Mod. 8021B (51 water samples +	51 analysis	40.00	2040.00	
7	TPH by TNRCC 1005 (46 water samples + 3	3 MS/MSD pairs)	46 analysis	40.00	1840.00
8	Turnaround time (TAT) of 14 calender days (results and 21 c.d. for hardcopy results	c.d.) for verbal		INCL	NC
9	Full CLP data deliverable			INCL	NC
	PURCHASE REQUISITION TOTAL				16990.00
The EPA The in Bristow,	tification (continue on back if necessary) M requested that the START obtain analytical se Oklahoma. ISFG1, Project Number 6S180, TDD 06-98-03-	•	to be collected at th	e Wilcox Refin	ery site located
	ALTER	NATE SOURCES			
Item	Vendor		Comment		Amount
1-9	Ecology and Environment Analytical Service Center	higher bid			20490.00
1-9	Specialized Assays, Inc.	higher bid			19529.00
Printed Nam	e of Requestor:	Signature of Reque	estor:		
Approved by	y/Date:	3			
		4			

BID ANALYSIS

VENDOR (1): PDP Analytical Services

ADDRESS: 1680 Lake Front Circle, Suite B The Woodlands, TX 77380

TELEPHONE: 281-363-2233

CONTACT PERSON: Mark Bourgeois

VENDOR (2): Ecology and Environment Inc. Analytical Service Center

ADDRESS: 4493 Walden Avenue Lancaster, NY 14086

TELEPHONE: 716-685-8080

CONTACT PERSON: Caryn Wojtowicz

VENDOR (3): Specialized Assays, Inc.

ADDRESS: 2960 Foster Creighton Dr. Nashville, TN 37204-0566

TELEPHONE: 615-726-0177

CONTACT PERSON: Jerry Burgess

CONTACT BREAKDOWN OF WORK TO BE	UNIT COS	UNIT COST PER VENDOR				
PERFORMED:	(1)	(2)	(3)			
1. BTEX in soil by 8021B/E&E SOW	40.00	50.00	40.00			
46 samples + 3 MS/MSD pairs	X 46(a)	X 46(a)	X 52			
Item 1 subtotal	1840.00	2300.00	2080.00			
2. PAH in soil by 8310/E&E SOW	110.00	110.00	95.00			
46 samples + 3 MS/MSD pairs	X 46(a)	X 46(a)	X 52			
Item 2 subtotal	5060.000	5060.00	4940.00			
3. TAL Metals in soil by 6010B/E&E SOW	90.00	90.00	90.00			
46 samples + 3 MS/DUP pairs	X 46(a)	X 46(a)	X 52			
Item 3 subtotal	4140.00	4140.00	4680.00			
4. TPH in soil by TNRCC1005/E&E SOW	40.00	65.00	51.00			
46 samples + 3 MS/MSD pairs	X 46(a)	X 46(a)	X 52			
Item 4 subtotal	1840.00	2990.00	2652.00			
5. PH in soil by 9045C/E&E SOW	5.00	10.00	5.00			
46 samples + 3 Duplicates	X 46(a)	X 46(a)	X 49			
Item 5 subtotal	230.00	460.00	245.00			
6. BTEX in water by 8021B/E&E SOW	40.00	50.00	40.00			
51 samples + 3 MS/MSD pairs	X 51(a)	X 51(a)	X 57			
Item 6 subtotal	2040.00	2550.00	2280.00			
7. TPH in water by TNRCC1005/E&E SOW	40.00	65.00	51.00			
46 samples + 3 MS/MSD pairs	X 46(a)	X 46(a)	X 52			
Item 7 subtotal	1840.00	2990.00	2652.00			
8. 14 day FAX, 21 day hard copy turnaround time on delivery	NC	NC	NC			
9. Full, CLP like deliverable	NC	NC	NC			
TOTAL \$	16990.00	20490.00	19529.00			

Reasonable of Bids: (a) QC/QC analysis included

All bids are reasonable

Vendor 1 has lowest overall cost

SMALL BUSINESSES: YES/NO, IF YES, ID # NO YES

SMALL DISADVANTAGED BUSINESS: YES/NO, IF YES, ID#-NO-Yes

WOMEN-OWNED BUSINESS: YES/NO: NO

Montgomery, TX

COUNTY WHERE CHOSEN VENDOR IS LOCATED: DAVIDSON, TN

ANALYTICAL REQUIREMENTS SUMMARY

PROJECT (CASE) NUMBER: 6S180
ANALYSIS REQUESTED: BTEX, PAH, TAL metals and pH in soil; BTEX and TPH in water
NUMBER OF SAMPLES BY MATRIX: 46 soil, 51 water
LAB QA REQUIREMENTS:
MS: soil: 3 - BTEX, PAH, TAL metals water 3 - BTEX, TPH
MSD: soil: 3 - BTEX, PAH water: 3 - BTEX, TPH
DUP: soil: 3 - TAL metals, pH
TOTAL NUMBER OF ANALYSES REQUESTED:
BTEX: 52 soil, 57 water PAH: 52 soil TAL metals: 52 soil TPH: 52 soil, 52 water pH: 49 soil
DELIVERABLE PACKAGE REQUIRED: Full hardcopy data package (CLP-like) are required including all associated QA for all parameters.
DELIVERY SCHEDULE: 14 calendar days verbal/FAX, 21 calendar days hardcopy
BEGINNING SHIP DATE: week of August 3rd
END SHIP DATE: 5 days after beginning of shipment
PROJECT MANAGER: Tom Beer
PROCUREMENT CHEMIST: David Anderson
OTHER:
PLEASE PROVIDE, VERIFY OR MODIFY THE UNIT AND TOTAL BID COSTS FOR THE ABOVE PROJECT AND RETURN SIGNED COPIES OF ALL PAGES TO THE E & E PROCUREMENT CHEMIST BY 11:00 AM, 7/21/98.
LABORATORY

DATE

LABORATORY AGENT

E & E ANALYTICAL QUOTE REQUEST FORM BID SPECIFICATION - TO BE COMPLETED BY E & E

FROM (E & E REQU	IESTOR): David Ar	nderson	TO (LAB CONTACT):_			
OFFICE NAME/ADD	RESS: <u>Ecology an</u>	d Environment	LAB NAME/ADDRESS:	LAB NAME/ADDRESS:		
	<u>1999 Bryar</u>	1 St. Ste. 2000				
	Dallas, TX	75201	PHONE #:	FAX #:		
PHONE #: (214) 22	0-0318	FAX #: <u>(214)</u> 855-1422	REQUEST DATE: 7/20	798 QUOTE DEADLINE: 11:00AM CDT, 7/21/98		
SITE NAME:	6S180	PAN #: 052601SFG1				
SHIPMENT INFORM DATE OF FIRST SH		August 3rd FREQUENCY OF SHIPMEN	NTS: daily for 5 days # SAMPLES	S/SHIPMENT: 16 TOTAL # OF SAMPLES: 97		

REQUESTED ANALYSES/BROKEN DOWN BY MATRIX AND PARAMETER

SAME SAMPLE INDICATED BY BRACKETS	# OF SAMPLES	ANALYTICAL PARAMETERS	METHOD #	SAMPLE MATRIX	#/TYPE OF EXTRA QA REQUESTS (MS/MSD, ETC.)	OTHER REQUIREMENTS
	46	BTEX	8021B Mod.	soil	3 pair MS/MSD	see START SOW
	46	PAH	8310	soil	3 pair MS/MSD	see START SOW
	46	TAL Metals	6010B	soil	3 pair MS/DUP	see START SOW
·	46	ТРН	TNRCC 1005	soil	3 pair MS/MSD	see TNRCC 1005 SOW
	46	рН	9045C	soil	3 duplicates	see START SOW
	51	BTEX	8021B Mod.	water	3 pair MS?MSD	see START SOW
	46	TPH	TNRCC 1005	water	3 pair MS/MSD	see START SOW

,	·	CONFIRMATION OR SCREENING ONLY): <u>Definitive</u>	
2) SAMPLE DISPOSAL BY LAB (\	YES, NO, OR OTHER): <u>Yes</u>			
3) TURNAROUND TIME: FAX= <u>14</u>	calendar days	HARDCOPY/ELECT= 21 calenda	ar days [IN	CALENDAR OR WORK DAYS
4) REQUIRED QA/QC DELIVERABL	E PACKAGE (FULL PACKAGE OR R	ESULTS ONLY): Full Package	REFER TO ATTACHME	NT 1 FOR A LIST OF SPECIFIC
DOCUMENTS REQUIRED.	·	· — -		
5) REQUIRED DATA QUALITY: ALL	. ANALYTICAL DATA MUST MEET CF	RITERIA DEFINED IN EPA OSWER DIREC	TIVE 9360.4-01/9355.901 FOR THE	SELECTED DATA CATEGORY
AND ANALYTICAL PARAMETER	R. APPLICABLE EXCERPTS OF TH	HESE DOCUMENTS WILL BE PROVIDE	D TO THE LAB BY REQUEST.	
6) ADDITIONAL TERMS AND CONI	DITIONS APPLICABLE TO SUBCON	TRACTOR ANALYTICAL SERVICES UND	DER GOVERNMENT CONTRACTS	REFER TO ATTACHMENT 2.
SIGNATURE OF LAB AGENT:				
				DACE 4 of 2

E & E ANALYTICAL QUOTE REQUEST FORM BID QUOTE - TO BE COMPLETED BY LABORATORY (3)

SAME SAMPLE INDICATED BY BRACKETS	VOL/ PRES/ CONT (1)	ANALYTICAL PARAMETER/ METHOD #	SAMPLE MATRIX	TURNAROUND TIME VERBAL/ HARDCOPY	UNIT COST FOR SPECIFIED TURNAROUND	# OF SAMPLES	TOTAL ANALYSIS COST (UNIT COST X # SAMPLES)	UNIT COST/TYPE OF EXTRA QA RE- QUESTS (MS/MSD, ETC.) (2)	# OF EXTRA QA RE- QUESTS	TOTAL EXTRA QA COST (UNIT COST X # REQUEST)
	1	BTEX / 8021B Mod.	soil	14/21		46			6	
		PAH / 8310	soil	14/21		46			6	
		TAL Metals / 6010B	soil	14/21		46			6	
		TPH / TNRCC 1005	soil	14/21		46			6	
		pH / 9045C	soil	14/21		46			3	
		BTEX / 8021B Mod.	water	14/21		51			6	
		TPH / TNRCC 1005	water	14/21		46			6	

- (1) INDICATE LAB REQUIREMENTS FOR SIMPLE VOLUMES, PRESERVATIVES, AND CONTAINER USE BRACKETS TO INDICATE OF VOLUMES ARE FOR THE SAME SAMPLE OR ARE REQUIRED FOR SPECIFIC PARAMETERS.
- (2) ONLY APPLICABLE FOR SPECIAL QA REQUESTS METHOD REQUIRED QA SHOULD BE INCLUDED I SAMPLE ANALYSIS COST.
- (3) REFER TO PAGE 1 FOR SPECIFIC INFORMATION ON REQUESTED ANALYSES.

ADDITIONAL COSTS:					
SURCHARGE FOR QA/QC DELIVERABLE PACKAGE (DE DISPOSAL COST (SPECIFY IF PER CONTAINER OR FOR					-
OTHER COST:			DISCOUNTS:		•
IS VERBAL PO# OK? (CIRCLE ONE): YES NO ARE SAMPLE CONTAINERS/PAPERWORK INCLUDED?			IS LAB PICKUP INCLUDED	O? (CIRCLE ONE): YES NO	•
LAB CLASSIFICATION:					
SMALL BUSINESS (CIRCLE ONE):	YES	NO	IF YES, ID#:		
SMALL DISADVANTAGED BUSINESS (CIRCLE ONE):	YES		IF YES, ID#:		-
WOMAN-OWNED BUSINESS (CIRCLE ONE):	YES		IF YES, ID#:	BID TOTAL:	
MINORITY-OWNED BUSINESS (CIRCLE ONE):	YES	NO	IF YES, ID#:		



PDP

Analytical Services

1680 Lake Front Circle, Suite B The Woodlands, Texas 77380

Facsimile Transmittal Sheet

/ Date:	7/201	194		Time:	1455	
Pages (Inc	luding this	page):				
To: <u>D</u> A	UND	ANDERSON				
Company	r:	E E	T			
Fax:	214	855-1	422			
	:					
From:	MARK	Bourg 10,5		Title:	ACC NOR	
Notes:	RF	Bourg 10,5 P. Resubn	holes	<u>, </u>		
•		Thou	£ 5			
		/	MB.B			
		:				
If th	is Fax me	ssage is received po	orly or inc	omplete, p	lease notify us at:	
	Phor	ie: (281) 363-223	3 Fax: (281) 298-	5784	
☐ Urgent	For R	eview 🗆 Please Co	mment C	l Please Rep	ly □ Please Recycle	- 1
		· · ·				

E & E ANALYTICAL QUOTE REQUEST FORM BID SPECIFICATION - TO BE COMPLETED BY E & E

រុ	FROM (E & E RE	QUESTOR):_	David Anderson			TO (LAB CONTACT):Mark	Bourgeois	
			ology and Environment		LAB NAME/ADDRESS: PDP Analytical Services			
1999 Bryan St. Ste. 2000						_16	80 Lake Front Circle, Suite B The Woodlands, TX 77380	
l		D:	12s. TX 75201	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		PHONE # 281-363-2233	FAX #: 281-298-6784	
1	PHONE #: (214)	220-0318	FAX #: (21	4) 855-1422		REQUEST DATE: 7/20796	QUOTE DEAOLINE: 11:00AM CDT. 7/21/98	
	SITE NAME:	65	80 PAN #: 052	601SFG1				
,	SHIPMENT INFO	RMATION: SHIPMENT:	week of August 3rd FREC	WENCY OF SHIP	MENTS: dally	for 5 days # SAMPLES/S	HIPMENT: 16 TOTAL # OF SAMPLES: 97	
_		The American American participation of the Control	REQUI	STED ANALYSE	S/BROKEN D	OWN BY MATRIX AND PA	ARAMETER	
١,	SAME SAMPLE INDICATED BY BRACKETS	# OF SAMPLES	ANALYTICAL PARAMETERS	METHOD #	SAMPLE MATRIX		OTHER REQUIREMENTS	
		46	BTEX	80218 Mod.	lioa	3 pair MS/MSD	BEØ START SOW	
		46	PAH	8310	soil	3 pair MSMSD	SOO START SOW	
		46	TAL Metals	6010B	soil	3 pair MS/DUP	see START SOW	
٠.		46	TPH	TNRCC 1005	soll	3 pair MS/MSD	see TNRCC 1005 SOW	
		46	ŀрН	9045C	soil	3 duplicates	see START SOW	
		51	BTEX	80218 Mad.	water	3 pair MS/MSD	see START SOW	
		46	;TPH	TNRCC 1005	water	3 pair MS/MSD	see START SOW	
•	2) SAMPLE DISP 3) TURNAROUNI	OSAL BY LA D TIME: FAX	B (YES, NO, OR OTHE = 14 calendar days	R): <u>Yes</u>	HARDCO	OR SCREENING ONLY): DOWN/ELECT= 21 catendar of	BYS [IN CALENDAR OR WORK DAYS	
	A) REQUIRED QA DOCUMENTS 5) REQUIRED DA AND ANALYTI	VQC DELIVER REQUIRED, ITA QUALITY: ICAL PARAMI	ALL ANALYTICAL DATA I	MUST MEET CRIT CERPTS OF THE	ULTS ONLY): ERIA DEFINED SE DOCUMEN	Full Package IN EPA OSWER DIRECTIVITS WILL BE PROVIDED T	REFER TO ATTACHMENT 1 FOR A LIST OF SPECIFIC BASE OF SPEC	

PAGE 1 of 2

ANALYTICAL REQUIREMENTS SUMMARY

PROJECT (CASE) NUMBER: 6S180

ANALYSIS REQUESTED: BTEX, PAH, TAL metals and pH in soil; BTEX and TPH in water

NUMBER OF SAMPLES BY MATRIX: 46 soil, 51 water

LAB QA REQUIREMENTS:

MS:

soil: 3 - BTEX, PAH, TAL metals

water 3 - BTEX TPH

MSD:

soil: 3 - BTEX, J'AH water: 3 - BTEX, TPH

DUP:

soil: 3 - TAL metals, pH

TOTAL NUMBER OF ANALYSES REQUESTED:

BTEX: 52 soil, \$7 water

PAH: 52 soil

TAL metals: 52 ioil TPH: 52 soil, 52 water

pH: 49 soil

DELIVERABLE PACKAGE REQUIRED: Full hardcopy data package (CLP-like) are required including all associated QA for all parameters.

DELIVERY SCHEDULE: 14 calendar days verbal/FAX. 21 calendar days hardcopy

BEGINNING SHIP DATE: week of August 3rd

END SHIP DATE: 5 days after beginning of shipment

PROJECT MANAGER: Tom Boor

PROCUREMENT CHEMIST: David Anderson

OTHER:

PLEASE PROVIDE, VERIFY OR MODIFY THE UNIT AND TOTAL BID COSTS FOR THE ABOVE PROJECT AND RETURN SIGNED COPIES OF ALL PAGES TO THE

E & E PROCUREMENT CHEMIST BY 11:00 AM, 7/21/98.

LABORATORY

LABORATORY AGENT JUL-20-1998 15:00

214 B55 1422

P.02

E & E ANALYTICAL QUOTE REQUEST FORM BID QUOTE - TO BE COMPLETED BY LABORATORY (3)

	SAME SAMPLE INDICATED BY BRACKETS	VOL/ PRES/ CONT (1)	ANALYTICAL PARAMETERV METHOD #	SAMPLE MATRIX	TURNAROUND TIME VERBAL/ HARDCOPY	UNIT COST FOR SPECIFIED TURNAROUND	# OF SAMPLES	TOTAL ANALYSIS COST (UNIT COST X # SAMPLES)	UNIT COST/TYPE OF EXTRA QA RE- QUESTS (MS/MSD, ETC.) (2)	# OF EXTRA QA RE- QUESTS	TOTAL EXTRA QA COST (UNIT GOST X # REQUEST)
		1 1	BTEX / 8021B" Mod.	<u>zóji</u>	14/21	40,00	46	1840,00	None	6	Nave
			PAH / 8310	BOH	14/21	110,00		5060,00		6	
V)			TAL Metals / 6010B	soil	14/21	90,00	46	4 140,00	1	6	
14 85			TPH / TNRCC	soil	14/21	40,0	46	1840,00		6	
5			pH / 9045C	soil	14/21	· •	46	23000		3	ì
422			BTEX / 8021B Mod.	water	14/21	40,00	51	2040,00		6	
			TPH / TNRCC 1005	water	14/21	40.00	46	1840,00		6	

- (1) INDICATE LAB REQUIREMENTS FOR SIMPLE VOLUMES, PRESERVATIVES, AND CONTAINER USE BRACKETS TO INDICATE OF VOLUMES ARE FOR THE SAME SAMPLE OR ARE REQUIRED FOR SPECIFIC PARAMETERS.
- (2) ONLY APPLICABLE FOR SPECIAL QA REQUESTS METHOD REQUIRED QA SHOULD BE INCLUDED I SAMPLE ANALYSIS COST.
- (3) REFER TO PAGE 1 FOR SPECIFIC INFORMATION ON REQUESTED ANALYSES.

ADDITIONAL COSTS:

## SURCHARGE FOR QAIQC DELIVERABLE PACKAGE (DEFINED ON PG 1 DISPOSAL COST (SPECIFY IF PER CONTAINER OR FOR TOTAL JOB):_	I AND ATTACHMENT 1): NONE
OTHER COST: NONE	DISCOUNTS: NO W.
IS VERBAL POWOK? (CIRCLE ONE): (YES) NO	IS LAB PICKUP INCLUDED? (CIRCLE ONE): YES (NO)
ARE SAMPLE CONTAINERS/PAPERWORK INCLUDED? (CIRCLE ONE):	YES NO

LAB CLASSIFICATION:

SMALL BUSINESS (CIRCLE ONE):

"SMALL DISADVANTAGED BUSINESS (CIRCLE ONE):

WOMAN-OWNED BUSINESS (CIRCLE ONE):

MINORITY-OWNED BUSINESS (CIRCLE ONE):

VES NO	IF YES, ID#:
YES NO	IF YES, ID#:
YES NO	F YES, ID#:
(YES NO	NF YES, IDM:

BID TOTAL: 16	990,00



SPECIAL INSTRUCTIONS:

ANALYTICAL SERVICES CENTER
Ecology and Environment, Inc. (E & E)
4493 Walden Avenue
Lancaster, New York 14086

Telephone: (716) 685-8080 Fax: (716) 685-0852

International Specialists in the Environment

Our pledge is to provide the highest quality analytical results in a timely, efficient, and economical manner.

TELECOPIER TRA	TELECOPIER TRANSMISSION FORM										
DATE:	TIME:										
PROJECT NUMBER:	TOTAL NUMBER OF PAGES (Including Transmission Form):										
TO: PAULD AUDERSON											
COMPANY: SHE PALLAS											
TELECOPIER:											
FROM: Strong JR											

FULL SERVICE CAPABILITY:
Atomic Absorption Analysis
Inductively Coupled Plasma Analysis
Gas Chromatography
Gas Chromatography/Mass Spectrometry
High Performance Liquid Chromatography
Ion Chromatography, Fourier Transform Infra-red
Ultraviolet/Visible Spectroscopy
Air (Canisters, Bags, Tenax, Charcoal)

Chlorophenols, AOX Immunoassay Nitroaromatics (Explosives), Chemical Agents NPDES/SPDES Soil Gas Screening (Field or Laboratory) TCLP TPH-BETX

START VI- 14

ANALYTICAL REQUIREMENTS SUMMARY

PROJECT (CASE) NUMBER: 65180

ANALYSIS REQUESTED: BTEX, PAH, TAL metals and pH in soil; BTEX and TPH in water

NUMBER OF SAMPLES BY MATRIX: 46 soil, 51 water

LAB QA REQUIREMENTS:

MS:

soil: 3 - BTEX, FAH, TAL metals water 3 - BTEX, TPH

MSD:

soil: 3 - BTEX, PAH water: 3 - BTEX, TPH

DUP:

soil: 3 - TAL metals, pH

TOTAL NUMBER OF ANALYSES REQUESTED:

BTEX: 52 soil, 51 water

PAH: 52 soil

TAL metals: 52 soil TPH: 52 soil, 52 water

pH: 49 soil

DELIVERABLE PACKAGE REQUIRED: Full hardcopy data package (CLP-like) are required including all associated QA for all parameters.

DELIVERY SCHEDULE: 14 calendar days verbal/FAX, 21 calendar days hardcopy

BEGINNING SHIP DATE: week of August 3rd

END SHIP DATE: 5 days after beginning of shipment

PROJECT MANAGER: Tom Beer

PROCUREMENT CHEMIST: David Anderson

OTHER:

PLEASE PROVIDE, VERIFY OR MODIFY THE UNIT AND TOTAL BID COSTS FOR THE ABOVE PROJECT AND RETUFN SIGNED COPIES OF ALL PAGES TO THE E & E PROCUREMENT CHEMIST BY 11:00 AM. 7/21/98.

Ecology + FNUIRONMENT FNC

LABORATORY AGENT

DATE

E & E ANALYTICAL QUOTE REQUEST FORM BID SPECIFICATION - TO BE COMPLETED BY E & E

FROM (E & E REQU	IESTOR): <u>David Ar</u>	nderson	TO (LAB CONTACT): Caryn Wollowicz					
OFFICE NAME/ADD	RESS: <u>Ecology an</u>	d Environment	LAB NAME/ADDRESS: Ecology and Environment, Inc. Analytical Service Center					
	<u> 1999 Вгуал</u>	St. Ste. 2000	4493 Walden Avenue Lancaster, NY 14086					
	Dallas, TX	75201	PHONE #: 716-685-8080 FAX #: 718-685-0852					
PHONE #: (214) 220	0-0318	FAX #: (214) 855-1422	REQUEST DATE: 7/20798 QUOTE DEADLINE: 11:00AM CDT, 7/21/98					
SITE NAME:	6\$180	PAN #: 052601SFG1	_ '					
SHIPMENT INFORM DATE OF FIRST SH		Augusi 3rd FREQUENCY OF SHIPMENTS: da	ily for 5 days # SAMPLES/SHIPMENT: 16 TOTAL # OF SAMPLES: 97					

REQUESTED ANALYSES/BROKEN DOWN BY MATRIX AND PARAMETER

SAME SAMPLE INDICATED BY BRACKETS	# OF SAMPLES	ANALYTICAL PARAMETERS	METHOD #	SAMPLE MATRIX	#/TYPE OF EXTRA QA REQUESTS (MS/MSD, ETC.)	OTHER REQUIREMENTS
	46	BTEX	8021B Mod.	soil	3 pair MS/MSD	see START SOW
	46	PAH	8310	soil	3 pair MS/MSD	see START SOW
	46	TAL Metals	6010B	soil	3 pair MS/DUP	see START SOW
	46	ТРН	TNRCC 1005	soil	3 pair MS/MSD	BEE TNRCC 1005 SOW
	46	ρΗ	9045C	sail	3 duplicates	see START SOW
	51	втех	8021B Mod.	water	3 pair MS MSD	see START SOW
	46	ТРН	TNRCC 1005	waler	3 pair MS/MSD	see START SOW

1)	DATA CATEGORY	OFFINITIVE.	SCREENING WITH	DEFINITIVE	CONFIRMATION	OR	SCREENING ONLY): Definitive	
----	---------------	-------------	----------------	------------	--------------	----	-----------------------------	--

2) SAMPLE DISPOSAL BY LAB (YES, NO, OR OTHER): Yes

3) TURNAROUND TIME: FAX= 14 calendar days

_ HARDCOPY/ELECT= 21 calendar days

[IN CALENDAR OR WORK DAYS]

- 4) REQUIRED DAIGO DELIVERABLE PACKAGE (FULL PACKAGE OR RESULTS ONLY): Ful Package REFER TO ATTACHMENT 1 FOR A LIST OF SPECIFIC DOCUMENTS REQUIRED.
- 5) REQUIRED DATA QUALITY: ALL ANALYTICAL DATA MUST MEET CRITERIA DEFINED IN EPA OSWER DIRECTIVE 9360.4-01/9355.901 FOR THE SELECTED DATA CATEGORY AND ANALYTICAL PARAMETER. APPLICABLE EXCERPTS OF THESE DOCUMENTS WILL BE PROVIDED TO THE LAB BY REQUEST.
- 6) ADDITIONAL TERMS AND CONDITIONS APPLICABLE TO SUBCONTRACTOR ANALYTICAL SERVICES UNDER GOVERNMENT CONTRACTS: REFER TO ATTACHMENT 2.

SIGNATURE OF AR AGENT:

212

E & E ANALYTICAL QUOTE REQUEST FORM BID QUOTE - TO BE COMPLETED BY LABORATORY (3)

SAME SAMPLE INDICATED BY BRACKETS		ANALYTICAL PARAMETER/ METHOO	SAMPLE MATRIX	TURNAROUND TIME VERBAL/ HARDCOPY	UNIT COST FOR SPECIFIED TURNAROUND	# OF SAMPLES	TOTAL ANALYSIS COST (UNIT COST X # SAMPLES)	UNIT COST/TYPE OF EXTRA QA RE- QUESTS (MS/MSD, ETC.) (2)	# OF EXTRA QA RE- QUESTS	TOTAL EXTRA QA COST (UNIT COST X # REQUEST)
	•	BTEX / 6021B Mod.	soil	14/21	50	46	3300		6	
i		PAH / 8310	soil	14/21	110	46	5040	;	6	
		TAL Metals / 6010B	soil	14/21	90	46	4140		6	T
		TPH / TNRCC 1005	soil	14/21	65	46	2990	;		
	1	р Н / 904 5С	soil	14/21	10	46	460		13	
	i	BTEX / 8021B Mod.	water	14/21	SD.	51	2550		6	
		TPH / TNRCC 1005	water	14/21	65	46	2990		6	

- (1) INDICATE LAB REQUIREMENTS FOR SIMPLE VOLUMES, PRESERVATIVES, AND CONTAINER USE BRACKETS TO INDICATE OF VOLUMES ARE FOR THE SAME SAMPLE. OR ARE REQUIRED FOR SPECIFIC PARAMETERS.
- (2) ONLY APPLICABLE FOR SPECIAL QA REQUESTS METHOD REQUIRED QA SHOULD BE INCLUDED I SAMPLE ANALYSIS COST.
- (3) REFER TO PAGE I FOR SPECIFIC INFORMATION ON REQUESTED ANALYSES.

ADDITIONAL COSTS:

SURCHARGE FOR QA/QC DELIVERABLE PACKAGE (DEFINED ON PG 1	AND ATTACHMENT 1): UA		
DISPOSAL COST (SPECIFY IF PER CONTAINER OR FOR TOTAL JOB):_	IN		
OTHER COST:	DISCOUNTS:		
IS VERBAL POH OK? (CIRCLE ONE): (ES) NO	IS LAB PICKUP INCLUDED? ((CIRCLE ONE): YES (NO)	
ARE SAMPLE CONTAINERS/PAPER/WORK INCLUDED? (CIRCLE ONE):	YES) NO		
LAB CLASSIFICATION:		•	

SMALL BUSINESS (CIRCLE ONE): SMALL DISADVANTAGED BUSINESS (CIRCLE ONE): WOMAN-OWNED BUSINESS (CIRCLE ONE): MINORITY-OWNED BUSINESS (CIRCLE ONE):	YES YES	NO)	IF YES, ID#: IF YES, ID#: IF YES, ID#: IF YES, ID#:	BIO TOTAL: 20 490
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Date: 7/21/98 Time: 10:59:52 AM

PECIALIZED ASSAYS	IB:6157260954	JUL 20'98 9:15 No. 003 P.02
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DELLOYER AND EN PARTIE DE LO PA	Mills: 14 computer days recipilit (1), 2) or MFB. work of August Ird lays allow beginning of Migrocus B. Top: Base MINIST: David Anderson	
DELEYERABLE PAGE MEGENER DATE: 1A PROJECT MAKAGE PROJECT MAKAGE PROJECT AND RET RES PROCESSES SEE PAGE 2 OF	Tife is embasis days unindeal, 2) a 478. wood of August Ind bys alle inglening of Alipeans The Tops Bose Third State There is included by the endy of These secrety Colored Of All Par (FO CHESSES) IN 11:56 Add Inc.	
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E and E ANALYTICAL QUOTE REQUEST FORM BID QUOTE - TO SE COMPLETED BY LABORATORY (1)

BAME SAMELY				TURNAMENT	UNIT COST			UNIT CONTY TER (17)	10 CM.	TYX/L HXIRA
NEWSATED	LACHIN	, bakapirlim		TIME	SECY-1		TOTAL ANALYSIN	EXTRA QA REQUESTS	EXIRA (A	ON COAL
RTTTZZDANG, YH	CUMI	METRICO	HAMPLE .	VERBAL	SPECIFIED	# 438.	CCET(UNITCXST	(MSMESD, ETC.)	RHULBINS	(UNIT COST
	(1)		MAIRIX	HARIXXXIY	TUKNAROUIKU	SAMPLES	(CELPENAN II	(2)		TREADERI A D X
		B1EX (8021)	Soil	14/21	40.00	46	1,840.00	4 0, 00	6	240.00
		PAH (8310)	Soil	14/21	95.00	.46	4,170.00	95.00	6	570,6
		TAIL. Metals	Soil	14/21	90.00	46	4,149.00	90.00	6	540.00
		1791 (1000)	Soil	14/21	51.00	46	2,345.00	51.00	6	306.0
		pfl (9045)	Sail	14/21	\$.00	46	23 0.00	5.00	3	15.0
		B1EX (8021)	Wester	14/21	40.UQ	51	2,040.00	49.00	6	240.0
		TPH (1005)	Water	14/21	51.00	46	2,340.00	\$1.00	6	306.9
							-		1	

- (I) INDICATE UJB REQUIRIEMENTE FOR SAMPLE YOLUMES, PRESESVATIVES; AND CONTAINER LEE HRACKETS TO INDICATE OF VOLUMES; ARE FOR THE SAME SAMPLE (4) ARE REQUIRED FOR SPECIFIC PARAMETERS.
- (2) O'RLY APPLICABLE FOR SPECIAL QA REQUESTS MEDITION BEQUERES QA SHORTI, O'RI DOLLEDED WASHI'LLE ANALYSIS CORN
- (3) RUPTER TO PACE I POR SPREEZE DEPORTMANTON ON REQUESTEED ANALYSIS.

AUXINIONAL CINETS:

SURCHARGE FOR QAQCIO	WILLYPRAINTE PACK	VICE (DEFEND	UN POEL AND AT	TACHMENT D		NONE	
DISPORAL COST (SHICTLY	IF PHIK COUNTAINER	DE POS TOTAL	· ACVB):			NONE	
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IN APPEAR TO A A A A A A A A A A A A A A A A A A				IN LAIB PICKUE	MCLUMEN	KK2	
ARE SAMPLE CYNTAINER	LYPAPAR WORKE INCL	, JOBUI	1,424	<u> </u>			
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SMALL BUSINESS	NO	•	:					•		i	
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MT_MORGIVAN MR CRICKS IN A C											

THAVE READ AND AGREE TO ALL TERMS OF THE PED REQUEST, ATTACHMENTS AND QUOTE. MILHASE SKIN AND RUTTURN BOTH DEP SPECIFICATION AND BED CHATTE SERVES

SIGNATURE OF LAB AGENT:

HAMPIAME SPECIALIZED ASSAYS, INC.

Project. (S180: Job Charge: 052601SFG1

Ecology and Environment, Diffias, TX - David Anderson (214) 2:0-0318 - SAI Client. 7487

ANALYTICAL OBJECTIVES WORKSHEET

I. PR	OJECT INFORMATION
Site Nar	me: WILOX REFINERY (Phase Z) CERCLIS ID: OKDOOLO10917
Site Loc	eation: <u>Bris ToW OK</u> Project TDD#: <u>06-98-03-0009</u>
START	PM: Tom Beer Project PAN: 05260/SFXX
EPA TM	: Don Smith Request/Due Dates: 7/9/98/
1.	SOURCE OF FUNDING (Circle One): CERCLA, OPA) Other:
2.	INTEGRATED DATA USES (Circle All That Apply): SI, ESI, RI, Removal Assessment EE/CA, Disposal, Enforcement, Other:
3.	TYPE OF LAB (Circle All That Apply): CLP RAS, START Subcontract (External or E & E ASC) EPA Region 6 Lab, ERT, Mobile Lab, Field Screening, NEIC, Other Fed, Other State, Other EPA Contractor [ERCS/ERRS], Other:
	DATA CATEGORY (Circle One): Screening, Definitive Screening with Definitive Confirmation, Other:
	DATA VALIDATION REQUIREMENTS (Circle One): OSWER CLP, Expanded CLP, None, Other:
	DATA PACKAGE REQUIRED (Circle One): Results Only, Full Package ("CLP-Like") CLP Protocol and Package, Other:
7.	ANTICIPATED INITIAL SAMPLING/SHIPMENT DATES:
8.	FREQUENCY/DATES OF SUBSEQUENT SHIPMENTS: daily / 5 days
9.	ESTIMATED NUMBER OF SAMPLES PER SHIPMENT: 16 (8 soil + 8 water) + QC
10.	TURNAROUND TIME - VERBAL/FAX (In Work or Calendar Days): 14 Calendar days
	TURNAROUND TIME - HARD COPY/ELECT (In Work or Calendar Days): 21 Calendar days
12.	SAMPLE DISPOSAL REQUIREMENTS (Circle One): (ab Provides) Return to Site,
•	Other:
13.	TRANSPORT OF SAMPLES (Circle One): Lab Pick-up, Drop Off, Ship
(Other:
Approval	MEPA TM Signature: Mundle Site DATE: 7/15/58

11	SAMPL	F INFORM	ATION
11.	SAIMEL		

11.	SAMPLE IN	FORMATIO	N				
				ons for each g			es by MATRIX needed.
		SAMPL	E GROUP N	NUMBER	3		
1.	a. Number o		les (including	g test and ba	ckground sai	mples) to be	submitted:
	b. Number	(per bou	eld ÓA sam	ples (replicat	es. trip, field	and rinsate	blanks) to be
	c. Numbera	nd type of labo a. Pur SD6	oratory QA an	alyses require	ed (i.e., MS/MS	SD pairs, spik	es, duplicates,
	d. Total num	ber of sampl	e requestș (1	field samples +5)+4 =	[1a] + field (55	QA samples	[1b] +
2.	MATRIX OF	SAMPLES (circle one):	air, water.	waste (dru	um, tank, pit), wipe, other
3.	SAMPLE CO	OMPOSITION	,	umber of eac	•	41	grab;
4.	SOIL SAMP	LE DEPTH (i	ndicate num	iber of each): ace (<u>1 -10</u>	: depth); other	_ surface (_	depth)
5.	ANALYTICA	L PARAMET	ERS	ace (<u>1-10</u>	to the	e water tal	ole
	Record all analytical parameters that will be requested for this group of samples. Parameter may include: specific compounds; groups of compounds (such as TAL metals, TCL VOAs TCL BNAs, TCL pesticides/PCBs); RCRA characteristics; or miscellaneous tests (such a asbestos, BTU, COD, TSS).						
	PARAMETER	BTEX	PAHs	Metals (23)	TPH	ρH	
	DESIRED	60	HPLC	ICP	GC	electro.	
	METHOD(S)	8021 B Md.	8310	6010B	TNRCC 1005	9045C	
	MINIMUM DETECTION LIMIT	l mg/kg	0.1mg/kg	10mg/kg	10mg/kg	-	
(1	EXPECTED CONC. LEVEL	Low	Low	Med.	Med.	Med.	

06:WPFORMS:START:ANALYTICAL_OBJECTIVE_WORKSHEET-06/17/97-D1

Approval/EPA TM Signature: Mould P. Smith

II.	SAMPLE IN	IFORMATIO	N				
					group of sam). Use additi		es by MATRIX f needed.
		SAMPL	E GROUP N	NUMBER	4		
	a. Number b. Number submittee c. Numbera etc.): <u>le</u> d. Total num	per boring and type of side 10% D () and type of laboratory SD (and type of samp	les (including jeld QA sam 5), TB ((pratory QA an r (123 pair = le requests (1	ples (replica), see soils alyses require (A) (O	tes. trip, field ER (0 ed (i.e., MS/M s [1a] + field	and rinsate SD pairs, spik	blanks) to be ses, duplicates, [1b] +
2.			•			um, tank, pi	t), wipe, other
3.	SAMPLE C	OMPOSITIO	N (indicate n	umber of ea	ch):4]		grab:
4. h	'ATER SOIL SAMP 4			ace (🤊	depth); other		depth)
5.	ANALYTICA	L PARAMET	ERS	Wat	er table		
	may include: TCL BNAs,	specific com	ipou <mark>nds; gro</mark> i s/PCBs); RC	ups of compo	ounds (such a	s TAL metal	s. Parameters s, TCL VOAs, ests (such as
PAR	AMETER	BTEX	TPH				
	SIRED HOD(S)	GC 8021 R MJ	GC TNRCC 1005				
DET	NIMUM ECTION IMIT	0.01 mg/L	l mg/L				
CON	ECTED C. LEVEL MED/HIGH)	Low	Med.				
Approval	/EPA TM Sig	gnature: 炬	ouald t	? Smith	<u>/</u>	DATE:_	7/15/52

ecology and environment, inc. 1999 Bryan St., Suite 2000 Dallas, TX 75201

(214) 220-0318

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International Specialists in the Environment

FAX TRANSMISSION FORM							
Date: July 20, 1998	Time:						
Job Charge: 052601SFG1	Total pages: 4 (including transmission form)						
To: Caryn Wojtowicz							
Company: Ecology and Environment, Inc. A	nalytical Service Center						
Fax phone: 716-685-0852							
From: David Anderson							
IF THIS FAX IS INCOMPLETELY RECEIVED OR IS	SILLEGIBLE, PLEASE CALL FOR RETRANSMISSION.						
Please disregard the previous analytical quote with this one.	for project 6S180 sent this morning and replace it						
Thank You.							
·							

FROM (E & E REQUESTOR): David Anderson			TO (LAB CONTACT):Caryn Wojtowicz			
OFFICE NAME/ADDRESS: Ecology and Environment			LAB NAME/ADDRESS: Ecology and Environment, Inc. Analytical Service Ce	nter		
1999 Bryan St. Ste. 2000			4493 Walden Avenue Lancaster, NY 14086			
Dallas, TX 75201			PHONE #: 716-685-8080 FAX #: 716-685-0852			
PHONE #: (214) 220-0318 FAX #: (214) 855-1422		FAX #: <u>(214) 855-1422</u>	REQUEST DATE: 7/20798 QUOTE DEADLINE: 11:00AM CDT, 7/21/98			
SITE NAME: 6S180 PAN #: 052601SFG1		PAN #: <u>052601SFG1</u>				
SHIPMENT INFORMATION: DATE OF FIRST SHIPMENT: week of August 3rd FREQUENCY OF SHIPMENTS: daily for 5 days # SAMPLES/SHIPMENT: 16 TOTAL # OF SAMPLES: 97						

SAME SAMPLE INDICATED BY BRACKETS	# OF SAMPLES	ANALYTICAL PARAMETERS	METHOD #	SAMPLE MATRIX	#/TYPE OF EXTRA QA REQUESTS (MS/MSD, ETC.)	OTHER REQUIREMENTS
	46	BTEX	8021B Mod.	soil	3 pair MS/MSD	see START SOW
	46	PAH	8310	soil	3 pair MS/MSD	see START SOW
	46	TAL Metals	6010B	soil	3 pair MS/DUP	see START SOW
	46	TPH	TNRCC 1005	soil	3 pair MS/MSD	see TNRCC 1005 SOW
	46	pH	9045C	soil	3 duplicates	see START SOW
	51	BTEX	8021B Mod.	water	3 pair MS ∳ MSD	see START SOW
	46	TPH	TNRCC 1005	water	3 pair MS/MSD	see START SOW

1)	1) DATA CATEGORY (DEFINITIVE, SCREENING WITH DEFINITIVE CONFIRM	MATION OR SCREENING ONLY): Definitiv	/e
	2) SAMPLE DISPOSAL BY LAB (YES, NO, OR OTHER): Yes	· · · · · · · · · · · · · · · · · · ·	
3)	3) TURNAROUND TIME: FAX= 14 calendar days	HARDCOPY/ELECT= 21 calendar days	[IN CALENDAR OR WORK DAYS
,	4) REQUIRED QA/QC DELIVERABLE PACKAGE (FULL PACKAGE OR RESULTS DOCUMENTS REQUIRED.	ONLY): Full Package	REFER TO ATTACHMENT 1 FOR A LIST OF SPECIFIC
•	5) REQUIRED DATA QUALITY: ALL ANALYTICAL DATA MUST MEET CRITERIA AND ANALYTICAL PARAMETER. APPLICABLE EXCERPTS OF THESE DO		
6) /	6) ADDITIONAL TERMS AND CONDITIONS APPLICABLE TO SUBCONTRACTO	R ANALYTICAL SERVICES UNDER GOVI	ERNMENT CONTRACTS: REFER TO ATTACHMENT 2
SIG	SIGNATURE OF LAB AGENT:		

ecology and environment, inc. 1999 Bryan St., Suite 2000

1999 Bryan St., Suite 2000 Dallas, TX 75201 (214) 220-0318

International Specialists in the Environment

FAX TRANSMISSION FORM							
Date: July 20, 1998	Time:						
Job Charge: 052601SFG1	Total pages: 4 (including transmission form)						
To: Jerry Burgess							
Company: Specialized Assays, Inc.	•						
Fax phone: 615-726-3404							
From: David Anderson							
IF THIS FAX IS INCOMPLETELY RE	ECEIVED OR IS ILLEGIBLE, PLEASE CALL FOR RETRANSMISSION.						
Please disregard the previous analytic with this one.	cal quote for project 6S180 sent this morning and replace it						
Thank You.							
I							
• •							

FROM (E & E REQUESTOR): David Anderson			TO (LAB CONTACT): Jerry Burgess			
OFFICE NAME/ADDRESS: Ecology and Environment			LAB NAME/ADDRESS: Specialized Assays, Inc.			
1999 Bryan St. Ste. 2000			2960 Foster Creighton Dr. Nashville, TN 37204-0566			
Dallas, TX 75201		201	PHONE #: 615-726-0177 FAX #: 615-726-3404			
PHONE #: (214) 220-0318		FAX #: <u>(214) 855-1422</u>	REQUEST DATE: 7/20798 QUOTE DEADLINE: 11:00AM CDT, 7/21/98			
SITE NAME: 6S180 PAN #: 052601SFG1			<u>. </u>			
SHIPMENT INFORMATION: DATE OF FIRST SHIPMENT: week of August 3rd FREQUENCY OF SHIPMENTS: daily for 5 days # SAMPLES/SHIPMENT: 16 TOTAL # OF SAMPLES: 97						

SAME SAMPLE INDICATED BY BRACKETS	# OF SAMPLES	ANALYTICAL PARAMETERS	METHOD #	SAMPLE MATRIX	#/TYPE OF EXTRA QA REQUESTS (MS/MSD, ETC.)	OTHER REQUIREMENTS
	46	BTEX	8021B Mod.	soil	3 pair MS/MSD	see START SOW
	46	PAH	8310	soil	3 pair MS/MSD	see START SOW
	46	TAL Metals	6010B	soil	3 pair MS/DUP	see START SOW
	46	TPH	TNRCC 1005	soil	3 pair MS/MSD	see TNRCC 1005 SOW
	46	рН	9045C	soil	3 duplicates	see START SOW
	51	BTEX	8021B Mod.	water	3 pair MS 7 MSD	see START SOW
	46	ТРН	TNRCC 1005	water	3 pair MS/MSD	see START SOW

	DATA CATEGORY (DEFINITIVE, SCREENING WITH DEF SAMPLE DISPOSAL BY LAB (YES, NO, OR OTHER):	FINITIVE CONFIRMATION OR SCREENING ONLY): <u>Definiting</u>	ve
3)	TURNAROUND TIME: FAX= 14 calendar days	HARDCOPY/ELECT= 21 calendar days	[IN CALENDAR OR WORK DAYS
4)	REQUIRED QA/QC DELIVERABLE PACKAGE (FULL PACKA	AGE OR RESULTS ONLY): Full Package	REFER TO ATTACHMENT 1 FOR A LIST OF SPECIFI
•	DOCUMENTS REQUIRED.		

- 5) REQUIRED DATA QUALITY: ALL ANALYTICAL DATA MUST MEET CRITERIA DEFINED IN EPA OSWER DIRECTIVE 9360.4-01/9355.901 FOR THE SELECTED DATA CATEGORY AND ANALYTICAL PARAMETER. APPLICABLE EXCERPTS OF THESE DOCUMENTS WILL BE PROVIDED TO THE LAB BY REQUEST.
- 6) ADDITIONAL TERMS AND CONDITIONS APPLICABLE TO SUBCONTRACTOR ANALYTICAL SERVICES UNDER GOVERNMENT CONTRACTS: REFER TO ATTACHMENT 2.

CICNIATURE OF LAR ACENT.			

ecology and environment, inc. 1999 Bryan St., Suite 2000

1999 Bryan St., Suite 2000 Dallas, TX 75201 (214) 220-0318

International Specialists in the Environment

FAX TRANSMISSION FORM					
Date: July 20, 1998	Time:				
Job Charge: 052601SFG1	Total pages: 4 (including transmission form)				
To: Mark Bourgeois					
Company: PDP Analytical Services					
Fax phone: 281-298-5784					
From: David Anderson	·				
IF THIS FAX IS INCOMPLETELY RECEIVED OF	R IS ILLEGIBLE, PLEASE CALL FOR RETRANSMISSION.				
Thank you for your prompt reply on the 6S18 Due to typos on the previous analytical quote					
Thank you again.					

FROM (E & E REQUESTOR): David And	erson	TO (LAB CONTACT):Mark Bourgeois
OFFICE NAME/ADDRESS: Ecology and I	<u>Environment</u>	LAB NAME/ADDRESS: PDP Analytical Services
1999 Bryan S	t. Ste. 2000	1680 Lake Front Circle, Suite B The Woodlands, TX 77380
Dallas, TX 75	5201	PHONE #: 281-363-2233 FAX #: 281-298-5784
PHONE #: (214) 220-0318	FAX #: (214) 855-1422	REQUEST DATE: 7/20798 QUOTE DEADLINE: 11:00AM CDT, 7/21/98
SITE NAME: 6S180	PAN #: 052601SFG1	
SHIPMENT INFORMATION: DATE OF FIRST SHIPMENT: week of Au	gust 3rd FREQUENCY OF SHIPMENTS	S: <u>daily for 5 days</u> # SAMPLES/SHIPMENT: <u>16</u> TOTAL # OF SAMPLES: <u>97</u>

SAME SAMPLE INDICATED BY BRACKETS	# OF SAMPLES	ANALYTICAL PARAMETERS	METHOD #	SAMPLE MATRIX	#/TYPE OF EXTRA QA REQUESTS (MS/MSD, ETC.)	OTHER REQUIREMENTS
	46	BTEX	8021B Mod.	soil	3 pair MS/MSD	see START SOW
	46	PAH	8310	soil	3 pair MS/MSD	see START SOW
	46	TAL Metals	6010B	soil	3 pair MS/DUP	see START SOW
	46	TPH	TNRCC 1005	soil	3 pair MS/MSD	see TNRCC 1005 SOW
	46	pН	9045C	soil	3 duplicates	see START SOW
	51	BTEX	8021B Mod.	water	3 pair MS/MSD	see START SOW
	46	TPH	TNRCC 1005	water	3 pair MS/MSD	see START SOW

1) DATA CATEGORY (DEFINITIVE, SCREENING WITH DEFINITIV	/E CONFIRMATION OR SCREENING ONLY): Definitive	
2) SAMPLE DISPOSAL BY LAB (YES, NO, OR OTHER): Yes		
3) TURNAROUND TIME: FAX= 14 calendar days	HARDCOPY/ELECT= 21 calendar days	IIN CALENDAR OR WORK DAYS

- 4) REQUIRED QA/QC DELIVERABLE PACKAGE (FULL PACKAGE OR RESULTS ONLY): <u>Full Package</u>

 REFER TO ATTACHMENT 1 FOR A LIST OF SPECIFIC DOCUMENTS REQUIRED.
- 5) REQUIRED DATA QUALITY: ALL ANALYTICAL DATA MUST MEET CRITERIA DEFINED IN EPA OSWER DIRECTIVE 9360.4-01/9355.901 FOR THE SELECTED DATA CATEGORY AND ANALYTICAL PARAMETER. APPLICABLE EXCERPTS OF THESE DOCUMENTS WILL BE PROVIDED TO THE LAB BY REQUEST.
- 6) ADDITIONAL TERMS AND CONDITIONS APPLICABLE TO SUBCONTRACTOR ANALYTICAL SERVICES UNDER GOVERNMENT CONTRACTS: REFER TO ATTACHMENT 2.

SIGNATURE OF LAB AGENT:	

Facsimile Cover Sheet

Free Long Distance Phone Card with Core Laboratories, Inc.-Gulf States Analytical

Date 7/20/98 Fax # 214 - 855 - 1422
For David Anderson Total Pages 4
Company E4E
From Sally Roan
Message: by changes to quote. Let me know up
you have questions This bid
not submitted
high cost
con't meet TAT
Rules & Guidelines





This promotion is based on a single environmental testing project valued at \$3,000.00 or greater. Promotion will last for a three month period beginning May 1, 1998 and last through July 31, 1998. Single project valued at \$3,000.00 or greater must be received between May 1, 1998 through July 31. 1998. For a single project with multiple sample delivery groups, the project name, project number, and purchase order number must be identical in order to receive credit; and the single project must be valued at a total of \$3,000.00 or greater. Phone card will be mailed to recipient at the same time original laboratory report is mailed, however, phone card will be mailed separately. Phone card will be mailed to the contact who receives original laboratory report. Core Laboratories-Gulf States Analytical will determine client contact through documentation from the client's Chain of Custody form submitted to Core Laboratories-Gulf States Analytical. If client requests a different recipient, request must be made in writing. Only one, 20 minute phone card will be awarded for a single project valued at \$3,000.00 or greater. This promotion is exclusive to Core Laboratories-Gulf States Analytical. No other Core Laboratories, Inc. locations or any other competing environmental testing laboratories are included as part of this promotion. No other Core Laboratories, Inc. locations can participate in this promotion to receive phone card benefits through sub-contracting or otherwise. This promotion is solely sponsored by Core Laboratories-Gulf States Analytical, and no agreement has been made with any long distance company. No exceptions will be granted for this promotion. If you have any questions, please contact Sally Roan, Core Laboratories-Gulf States Analytical at 713/690-4444. Thank You.

"Providing Solutions for the Future"

07/20/98 09:28 FAX 214 855 1422

E & E DALLAS

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p.2

ANALYTICAL REQUIREMENTS SUMMARY

PROJECT (CASE) NUMBER: 6S180

ANALYSIS REQUESTED: BTEX, PAH, TAL metals and pH in soil; BTEX and TPH in water

NUMBER OF SAMPLES BY MATRIX: 46 soil, 51 water

LAB QA REQUIREMENTS:

MS:

soil: 3 - BTEX, PAH, TAL metals water 3 - BTEX, TPH

MSD:

soil: 3 - BTEX, I'AH water: 3 - BTEX TPH

DUP:

soil: 3 - TAL metals, pH

TOTAL NUMBER OF ANALYSES REQUESTED:

BTEX: 52 soil, 57 water

PAH: 52 soil

TAL metals: 52 soil

TPH: 52 soil, 52 water

pH: 49 soil

DELIVERABLE PACKAGE REQUIRED: Full hardcopy data package (CLP-like) are required including all associated QA for all parameters.

DELIVERY SCHEDULE: 14 calendar days verbal/FAX, 21 calendar days hardcopy

BEGINNING SHIP DATE: week of August 3rd

END SINP DATE: 5 day: after beginning of shipment

PROJECT MANAGER: Tom Beer

PROCUREMENT CHEMIST: David Anderson

OTHER:

PLEASE PROVIDE, VERIFY OR MODIFY THE UNIT AND TOTAL BID COSTS FOR THE ABOVE PROJECT AND RETURN SIGNED COPIES OF ALL PAGES TO THE E & E PROCUREMENT CHEMIST BY 11:00 AM, 7/21/98.

LABORATORY AGENT DATE

FROM (E & E REQUESTOR): David Anderson			TO (LAB CONTACT): Sally Roan	TO (LAB CONTACT): Sally Roan		
OFFICE NAME/ADDRESS: Ecology and Environment			LAB NAME/ADDRESS: Core Labor	ratories - Gulf State Analytical		
1999 Bryan St. Ste. 2000			6310 Roth	6310 Rathway Houston, TX 77040		
Dallas, TX 75201			PHONE #-713-690-4444	FAX #: 713-690 5816		
PHONE #: (214) 220-0318 FAX #: (214) 855-1422		REQUEST DATE: 7/20/98	QUOTE DEADLINE: 713-690-5646			
SITE NAME: 6S154 PAN #: 052601SFG1			 i			
SHIPMENT INFORM DATE OF FIRST SH		August 3rd FREQUENCY OF SHIPMEN	TS: daily for 5 days # SAMPLES/SHIPMEN	T: 16 TOTAL # OF SAMPLES: 97		

REQUESTED ANALYSES/BROKEN DOWN BY MATRIX AND PARAMETER

SAME SAMPLE INDICATED BY BRACKETS	# OF SAMPLES	ANALYTICAL PARAMETERS	METHOD	SAMPLE MATRIX	#/TYPE OF EXTRA QA REQUESTS (MS/MSD, ETC.)	OTHER REQUIREMENTS
	46	BTEX	80218 Mod.8020	soil	3 pair MS/MSD	see START SOW
	46	PAH.	8310 82106	soil	3 pair MS/MSD	see START SOW
	46	TAL Metals	6010B	soil	3 pair MS/DUP	see START SOW
	46	TPH	TNRCC 1005	soil	3 pair MS/MSD	see TNRCC 1005 SOW
!	46	рH	9045C	soil	3 duplicates	see START SOW
	51	BTEX	80215 Mod. 8070	water	3 pair MS?MSD	see START SOW
	46	TPH	TNRCC 1005	waler	3 pair MS/MSD	see START SOW

I) DATA CATEGORY ((DEFINITIVE,	SCREENING	3 WITH DEFINITIV	E CONFIRMATIO	N OR SCREENI	IG ONLY	: Definitive
--------------------	--------------	-----------	------------------	---------------	--------------	---------	--------------

2) SAMPLE DISPOSAL BY LAB (YES, NO, OR OTHER): Yes

3) TURNAROUND TIME: FAX= 14 calendar days IN CALENDAR OR WORK DAYS! HARDCOPY/ELECT = 24 calendar days

4) REQUIRED QAYOC DELIVERABLE PACKAGE (FULL PACKAGE OR RESULTS ONLY): Full Package REFER TO ATTACHMENT 1 FOR A LIST OF SPECIFIC DOCUMENTS REQUIRED.

5) REQUIRED DATA QUALITY: ALL ANALYTICAL DATA MUST MEET CRITERIA DEFINED IN EPA OSWER DIRECTIVE 9360.4-01/9355.901 FOR THE SELECTED DATA CATEGORY

AND ANALYTICAL PARAMETER. APPLICABLE EXCERPTS OF THESE DOCUMENTS WILL BE PROVIDED TO THE LAB BY REQUEST.

B) ADDITIONAL TERMS AND CONDITIONS APPLICABLE TO SUBCONTRACTOR ANALYTICAL SERVICES UNDER GOVERNMENT CONTRACTS: REFER TO ATTACHMENT 2.

SIGNATURE OF LAB AGENT

E & E ANALYTICAL QUOTE REQUEST FORM BID QUOTE - TO BE COMPLETED BY LABORATORY (3)

SAME SAMPLE INDICATED BY BRACKETS	VOL/ PRES/ CONT (1)	ANALYTICAL PARAMETER/ METHOD #	SAMPLE MATRIX	TURNAROUND TIME VERBAL/ HARDCOPY	UNIT COST FOR SPECIFIED TURNAROUND	# OF SAMPLES	TOTAL ANALYSIS COST (UNIT COST X # SAMPLES)	UNIT COST/TYPE OF EXTRA QA RE- QUESTS (MS/MSD, ETC.) (2)	# OF EXTRA QA RE- QUESTS	TOTAL EXTRA QA COST (UNIT COST X # REQUEST)
	, ,	BTEX	soil	14/21	40.	48	1840	D	6	D
<u>:</u>		PAH	soil	14/21	125.	46	5,750	1	6	. 1
	ĺį	TAL Metals	soil	14/21	170.	46	1,820		6	
] [pН	soil	14/21	5.	46	230		3	
!	!	BTEX	water	14/21	40	51	2,040		6	
L	L	ТРН	water	14/21	55	46	2,530	Y	6	V

- (1) INDICATE LAB REQUIREMENTS FOR SIMPLE VOLUMES, PRESERVATIVES, AND CONTAINER USE BRACKETS TO INDICATE OF VOLUMES ARE FOR THE SAME SAMPLE OR ARE REQUIRED FOR SPECIFIC PARAMETERS.
- (2) ONLY APPLICABLE FOR SPECIAL QA REQUESTS METHOD REQUIRED QA SHOULD BE INCLUDED I SAMPLE ANALYSIS COST.
- (3) REFER TO PAGE 1 FOR SPECIFIC INFORMATION ON REQUESTED ANALYSES.

ADD	TIO	NAI	COSTS

SURCHARGE FOR QAYQC DELIVERABLE PACKAGE (DEFINED ON PG 1 AND ATTACHMENT 1):	A . L .
OTHER COST: DISCOUNTS: JULY	lunea
	D? (CIRCLE ONE): YES NO
ARE SAMPLE CONTAINERS/PAPERWORK INCLUDED? (CIRCLE ONE): YES) NO	
LAB CLASSIFICATION:	
SMALL BUSINESS (CIRCLE ONE): YES ITO IF YES, ID#:	
SMALL DISADVANTAGED BUSINESS (CIRCLE ONE): YES /NO) IF YES, ID#:	\$ 00 000
WOMAN-OWNED BUSINESS (CIRCLE ONE): YES (NO) IF YES, ID#:	BID TOTAL: 20, 210,00
MINORITY-OWNED BUSINESS (CIRCLE ONE): YES NO IF YES: ID#:	
INDICATE PARISH/COUNTY AND STATE BUSINESS IS LOCATED IN: NAVUE CTIX	
()	
I HAVE READ AND AGREE TO ALL TERMS OF THIS BID REQUEST, ATTACHMENTS AND QUOTE.	·
PLEASE SIGN AND RETURN BOTH BID SPECIFICATION AND BID QUOTE SHEETS)	
—— I	A
SIGNATURE OF LAB AGENT: CALLY KOON LAB NAI	me: Core Lab-6SA
	PAGE 2 of 2

ecology and environment, inc. 1999 Bryan St., Suite 2000 Dallas, TX 75201

(214) 220-0318

International Specialists in the Environment

FAX TRANS	SMISSION FORM
Date: July 20, 1998	Time:
Job Charge: 052601SFG1	Total pages: 4 (including transmission form)
To: Sally Roan	
Company: Core Laboratories - GSA	
Fax phone: 713-690-5646	
From: David Anderson	
IF THIS FAX IS INCOMPLETELY RECEIVED	OR IS ILLEGIBLE, PLEASE CALL FOR RETRANSMISSION.
Please disregard the previous analytical que with this one.	ote for project 6S180 sent this morning and replace it
Thank You.	
·	

FROM (E & E REQUESTOR): David Anderson		TO (LAB CONTACT): Sally Roan	TO (LAB CONTACT): Sally Roan			
OFFICE NAME/ADDRESS: Ecology and Environment		LAB NAME/ADDRESS: Core Laborato	LAB NAME/ADDRESS: Core Laboratories - Gulf State Analytical			
1999 Bryan St. Ste. 2000		6310 Rothway	6310 Rothway Houston, TX 77040			
Dallas, TX 75201		PHONE #: 713-690-4444	FAX #: 713-690-5646			
PHONE #: (214) 22	0-0318	FAX #: (214) 855-1422	REQUEST DATE: 7/20798 QUOTE [DEADLINE: 11:00AM CDT, 7/21/98		
SITE NAME:	<u>6S180</u>	PAN #: 052601SFG1				
SHIPMENT INFORM DATE OF FIRST SH		August 3rd FREQUENCY OF SHIPMEN	ITS: <u>daily for 5 days</u> # SAMPLES/SHIPMENT: <u>1</u>	6 TOTAL # OF SAMPLES: 97		

SAME SAMPLE INDICATED BY BRACKETS	# OF SAMPLES	ANALYTICAL PARAMETERS	METHOD #	SAMPLE MATRIX	#/TYPE OF EXTRA QA REQUESTS (MS/MSD, ETC.)	OTHER REQUIREMENTS
	46	BTEX	8021B Mod.	soil	3 pair MS/MSD	see START SOW
	46	PAH	8310	soil	3 pair MS/MSD	see START SOW
	46	TAL Metals	6010B	soil	3 pair MS/DUP	see START SOW
	46	TPH	TNRCC 1005	soil	3 pair MS/MSD	see TNRCC 1005 SOW
	46	pH	9045C	soil	3 duplicates	see START SOW
	51	BTEX	8021B Mod.	water	3 pair MS/MSD	see START SOW
	46	TPH	TNRCC 1005	water	3 pair MS/MSD	see START SOW

1)	DATA CATEGORY (DEFINITIVE, SCREENING WITH DEFINITIVE CONFIF	RMATION OR SCREENING ONLY): <u>Definiti</u>	ve
2)	SAMPLE DISPOSAL BY LAB (YES, NO, OR OTHER): Yes		
3)	TURNAROUND TIME: FAX= 14 calendar days	_ HARDCOPY/ELECT= 21 calendar days	[IN CALENDAR OR WORK DAYS
4)	REQUIRED QA/QC DELIVERABLE PACKAGE (FULL PACKAGE OR RESULT	S ONLY): Full Package	REFER TO ATTACHMENT 1 FOR A LIST OF SPECIFIC

- DOCUMENTS REQUIRED.

 5) REQUIRED DATA QUALITY: ALL ANALYTICAL DATA MUST MEET CRITERIA DEFINED IN EPA OSWER DIRECTIVE 9360.4-01/9355.901 FOR THE SELECTED DATA CATEGORY AND ANALYTICAL PARAMETER. APPLICABLE EXCERPTS OF THESE DOCUMENTS WILL BE PROVIDED TO THE LAB BY REQUEST.
- 6) ADDITIONAL TERMS AND CONDITIONS APPLICABLE TO SUBCONTRACTOR ANALYTICAL SERVICES UNDER GOVERNMENT CONTRACTS: REFER TO ATTACHMENT 2.

SIGNATURE OF LAB AG	ENT:		
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ecology and environment, inc. PURCHASE REQUISITION

Vendor: PDP Analytical Services		Date: 7/16/98		PR No.: <u>Stol -9256</u>		
Address: 1680 Lake Front Circle, Suite B		Ship Via:		Date Required: 8/3/98		
<u>'</u>	The Woodlands, Texas 77380	LIN:	PO	No.: 125019		
		Contract No.: 68-V	V6-0013	Accoun	t:	
Contact:]	Mark Bourgeois Phone: 281-363-2233	Project Number/PA	AN: <u>6S180 / 0526</u>	01SFG1		
Ship to:	Same As Billing	Billing Address:				
		i ·	1999 Bryan Street			
Attention:	Dovid Andorson		Dallas, Texas 752	201		
Attention.	David Anderson	Attention:				
Item	Description	4	Quantity	Unit Price	Amount	
1	BTEX by Mod.8021B (46 soil samples + 3 M	AS/MSD pairs (IK)	46 analysis	40.00	1840.00	
2	PAH by 8310 (46 soil samples + 3 MS/MSE	pairs O NC	46 analysis	110.00	5060.00	
3	TAL Metals by 6010B (46 soil samples + 3	MS/MSD pairs) n	46 analysis	90.00	4140.00	
4	TPH by TNRCC 1005 (46 soil samples + 3 l	MS/MSD pairs) 11	46 analysis	40.00	1840.00	
5	pH by 9045C (46 soil samples + 3 Duplicate	es) 4	46 analysis	5.00	230.00	
6	BTEX by Mod. 8021B (51 water samples +	3 MS/MSD pairs) [51 analysis	40.00	2040.00	
7	TPH by TNRCC 1005 (46 water samples + 3	3 MS/MSD pairs) []	46 analysis	40.00	1840.00	
8	Turnaround time (TAT) of 14 calender days (results and 21 c.d. for hardcopy results		INCL	NC		
9	Full CLP data deliverable		INCL	NC		
	PURCHASE REQUISITION TOTAL				16990.00	
Purpose/Justification (continue on back if necessary) The EPA TM requested that the START obtain analytical services for samples to be collected at the Wilcox Refinery site located in Bristow, Oklahoma. PAN 052601SFG1, Project Number 6S180, TDD 06-98-03-0009						
	ALTER	NATE SOURCES				
Item	Vendor		Comment		Amount	
1-9	Ecology and Environment Analytical Service Center	higher bid			20490.00	
1-9	Specialized Assays, Inc.	higher bid			19529.00	
Printed Name of Requestor: David Anderson Signature of Requestor: David Orden						
Approved by/Date: 1. 8/3/98 3.						
1	CXXVV NIMA / / 10	3				
2		4				

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6 1445 ROSS AVENUE, SUITE 1200 DALLAS, TX 75202-2733 July 23, 1998

Mr. Al Tinker Ecology and Environment, Inc. 1999 Bryan Street, Suite 2000 Dallas, TX 75201

Contract No.: 68-W6-0013, Request for Subcontract Consent RE: for Wilcox Refinery Site in Bristow, OK under TDD 9803-0009

Dear Mr. Tinker:

In response to your letter dated July 22,1998 requesting subcontract consent for the above referenced site, this letter provides consent to subcontract with the following firm:

> PDP Analytical Services 1680 Lake Front Circle, Suite B The Woodlands, TX 77380

for analytical services in the total amount Not To Exceed \$16,990.00 for the Wilcox Refinery Site in Bristow, OK. Consent is provided from the date of this letter through the completion of this TDD.

This consent shall in no way relieve the prime contractor of any obligations or responsibilities it may otherwise have under the contract or under law. This consent does not constitute an increase in the prime contract value, or the total pool value of the Subcontracting pool or the Analytical Services pool set forth in the prime contract. This consent creates neither any government obligation to nor privity of contract with your subcontractor, and shall be without prejudice to any right or claim of the government under the prime contract. This consent does not constitute a determination as to the acceptability of the subcontract price or the allowability of costs.

If you have any questions, please contact me at 665-6512.

Sincerely,

Tobin Osterberg

Contracting Officer

Chris Quina, START Program Manager Hank Thompson, Region 6 Project Officer Don Smith, Region 6 Task Monitor



ecology and environment, inc.

International Specialists in the Environment

1999 Bryan Street Dallas, Texas 75201

Tel: (214) 220-0318, Fax: (214) 855-1422

Date:

July 22, 1998

To:

Tobin Osterberg, CO

EPA Region 6, Program Management Branch

Thru:

Chris Ouina, STL

Region 6, Superfund Technical Assessment & Response Team

From:

Alan Tinker, CFM

Region 6, Superfund Technical Assessment & Response Team

Subi:

Proposed analytical procurement for soil & water sample analysis at

Wilcox Refinery Site Bristow, Oklahoma TDD: #S06-9803-0009 PAN: #052601SFG1 NTE: \$16,990.00

Submitted herewith for your review and consent is the justification package for the subject procurement. This justification package is prepared IAW prime contract clause I.9 (SUB-CONTRACTS) subpart (b)(1)(iii), all items required by the subject clause are addressed. The present schedule calls for samples to be shipped the week of August 3, 1998.

A. BACKGROUND

The START has been tasked by the EPA to submit soil and water samples from the Wilcox Refinery site as part of a Oil Spill Response at the site. Analytical objectives for this effort have been approved by the EPA TM, and the TM was notified of the need for a TDD amendment.

B. SCOPE OF WORK

The proposed laboratory is to provide the following:

46 anal. BTEX in soil by SW846 M8021B/E&E SOW (+3 MS/MSD pair@NC)

46 anal. PAH in soil by SW846 M8310/E&E SOW (+3 MS/MSD pair@NC)

46 anal. TAL metals in soil by SW846 M6010B/7471/E&E SOW (+3 MS/MSD pair@NC)

46 anal. TPH in soil by TNRCC 1005/E&E SOW (+3 MS/MSD pair@NC)

46 anal. pH in soil by SW846 9045C/E&E SOW (+3 DUP @ NC)

51 anal. BTEX in water by SW846 M8021B/E&E SOW (+3 MS/MSD pair@NC)

46 anal. TPH in water by TNRCC 1005/E&E SOW (+3 MS/MSD pair@NC)

A full CLP like data package is required, 14 day FAX, complete data package due 21 calendar days after receipt of samples. The laboratory is also responsible for proper sample disposal in accordance with all relevant laws and regulations.

C. BID SOLICITATION

The START Contractor prepared bid packages for two firms that have previously expressed interest in this type of analysis, and the E&E ASC Laboratory. The bid packages were sent to the labs July 20, 1998 and bids were due July 21. The individual completed and signed solicitations from the bidders are attached. Once bids were received, a Bid Analysis Form was completed.

D. COST ANALYSIS

A summary of the proposed costs as submitted in the bid verification forms is shown on the attached Bid Analysis Form. The Regional START PM, CFM and QAO reviewed the bid proposals and historical performance of all bidders and determined that all could perform the required analyses within the project schedule and quality requirements. PDP Analytical proposed to provide this service at the lowest competitive cost to the government. The cost to the government as shown on the attached Bid Analysis Form, on a per deliverable analysis (366) basis is \$46.42 for PDP, \$53.36 for Specialized Assays the second lowest, and \$55.98 for E&E ASC the highest. Based on other recent bid history (previous analytical job for this site, which was awarded to E&E 4-24-98) which ranged from \$5.00 to \$110.00 for 42 of the exact same analyses (PDP did not bid that job), these costs seem reasonable and in the competitive range. IAW Prime Contract clause I.9 the following items are addressed:

- a) Principal elements of the subcontract price negotiations were to obtain the lowest price for the required services in the best interest of the government.
- b) The most significant considerations controlling the establishment of prices were to obtain the required QA/QC analysis at no additional cost to the government.
- c) Cost or pricing data was not required because this is an off the shelf procurement of a commercially available service.
- d) The START Contractor did not rely on the subcontractors cost & pricing data to any extent in determining the price objective or in negotiating the final price.
- e) The START Contractor did not recognize that the cost & pricing data was inaccurate, incomplete or not current because no cost & pricing data was required.
- f) There was not any significant difference between the START Contractors price objective and the price negotiated.
- g) There are no incentive fee or profit plans involved in this procurement.

E. RECOMMENDATION

In consideration of the above, the START recommends that a fixed unit price purchase order not to exceed \$16,990.00 be awarded to PDP Analytical, Inc. for soil and water analysis at the Wilcox Refinery Site. Please do not hesitate to contact me if you have any questions regarding this procurement.

pc: David Anderson, START Chemist

START REGION 6

SUBCONTRACT JUSTIFICATION AND CONSENT PACKAGE FOR ANALYTICAL SERVICES

WILCOX REFINERY SITE BRISTOW, CREEK COUNTY, OKLAHOMA TDD #S06-9803-0009

CONTRACT NO. 68-W6-0013

Prepared for:

U. S. Environmental Protection Agency Region 6 Response and Prevention Branch 1445 Ross Avenue Dallas, Texas 75202-2733

Ms. Tobin Osterberg Contracting Officer

July 22, 1998

Prepared by:

Ecology and Environment, Inc.
Region 6 Superfund Technical Assessment & Response Team
1999 Bryan Street, Suite 2000
Dallas, Texas 75201